

- Faculté des sciences économiques
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International Operations and Logistics (5EN2019)

| Filières concernées | Nombre d'heures | Validation | Crédits ECTS |
|---|--------------------|----------------------|--------------|
| Master en développement international des affaires | Cours: 4 ph | cont. continu | 6 |
| Master en sciences économiques, orientation politique économique | Cours: 4 ph | cont. continu | 6 |
| Master en statistique | Cours: 4 ph | cont. continu | 6 |

ph=période hebdomadaire, pg=période globale, j=jour, dj=demi-jour, h=heure, min=minute

Période d'enseignement:

- Semestre Printemps

Equipe enseignante:

Teaching Team:
Prof. Gerald Reiner
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Objectifs:

In this course we will view the operations management and logistics from the point of view of a general manager. Our goal in this course is to understand how operations and logistical decisions impact the performance of the firm as well as the entire supply chain processes under consideration of international aspects. Furthermore, we will study how technological tools can be applied to support operations management and logistics.

Contenu:

- We will focus on the following issues,
- Operations Strategy and Management
 - Process Flow Measurement and Analysis
 - Capacity Management
 - Managing Flow Variability
 - Supply Chain Management Strategy
 - Supply Chain Performance Measurement
 - Inventory Management
 - Responsive Supply Chains
 - Risk Hedging Supply Chains
 - ECR
 - Advance Planning Systems
 - Supply Chain Contracts

Forme de l'évaluation:

Continuous evaluation based on write ups, seminar thesis, presentations and final 2h exam.
Retake exam session (September) : 2 hour written exam

Documentation:

- Anupindi, R., Chopra, S., Deshmukh, S. D., Van Mieghem, J. A., Zemel E.: Managing Business Process Flows: Principles of Operations Management, Prentice-Hall Inc, 2005.
- Chopra, S., Meindl, P.: Supply Chain Management: Strategy, Planning and Operation (CM), Prentice Hall, 3rd edition, 2007
- Related research articles

Pré-requis:

Prerequisite : --

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Teaching methods: Lectures, Case Studies, Exercises, Computer based learning, visiting lectures of company experts, company visit, accompanying project (seminar thesis and presentations)